

Exhibit D

**Cat Electronic Technician 2017C v1.0
Warranty Report****8/14/2018 11:37:57 AM****C7 Truck (KAL61215)**

Parameter	Value
Vehicle ID	4UZAAXDC95CU19951
Engine Serial Number	KAL61215
ECM Serial Number	20946221IE
Personality Module Part Number	2517438-00
Personality Module Release Date	MAR04
Personality Module Code	25
ECM Date/Time	12/31/2037+

Summary Information

Engine Serial Number	KAL61215
ECM Date/Time	12/31/2037+
Report File Creation PC Date and Time	8/14/2018 11:37:57 AM
Report File Last Modified PC Date and Time	8/14/2018 11:39:55 AM
Total Distance	113218 Miles
Total Time	7254:45 hours
Total Fuel	17637 gal
Diagnostic Clock	7632 hours
Vehicle ID	4UZAAXDC95CU19951
ECM Serial Number	20946221IE
Personality Module Part Number	2517438-00
Personality Module Release Date	MAR04
Personality Module Code	25
Service Tool Version	2017C v1.0
Service Tool Serial Number	ET658765
Service Tool Subscription	JERD2129 Full Service Dealer ET

Default Report File Name	WRPTXXXXXXXXKAL61215180814113757
Report Version	1.2

User Information

Caterpillar Dealer Code:	D092
Dealer Code where repair performed:	D092
Repair Date:	14 August 2018
Part Number(s) Causing Failure:	
Work Order# or Dealer Claim#:	
Technician Name/CWS ID:	
Customer Complaint(s):	
Comments:	
Explanation of Problem:	
Cab Type:	
Truck Make and Model:	

ECM Information**Logged Diagnostic Codes**

Code	Description	Occ.	First	Last
C7 Truck (KAL61215) - Diagnostic Clock = 7632 hours				
70- 5	Inlet Air Heater current low	3	7632	7632
91- 8	Throttle Position Invalid (32)	1	7632	7632
100- 3	Oil Pressure voltage high (24)	1	7632	7632
102- 3	Boost Pressure voltage high (25)	1	7632	7632
105- 3	Intake Manifold Air Temperature voltage high (38)	1	7632	7632

108- 3	Barometric Pressure voltage high (26)	255	3753	7632
164- 3	Injection Actuation Pressure voltage high (15)	1	7632	7632
168- 1	Low ECM Battery Power (17)	1	7625	7625

Logged Event Codes

Code	Description	Occ.	First	Last
C7 Truck (KAL61215) - Diagnostic Clock = 7632 hours				
No Logged Event Codes				

Active Diagnostic Codes

Code	Description
C7 Truck (KAL61215) - Diagnostic Clock = 7632 hours	
70- 5	Inlet Air Heater current low
105- 3	Intake Manifold Air Temperature voltage high (38)
100- 3	Oil Pressure voltage high (24)
164- 3	Injection Actuation Pressure voltage high (15)
102- 3	Boost Pressure voltage high (25)
91- 8	Throttle Position Invalid (32)
108- 3	Barometric Pressure voltage high (26)
110- 3	Coolant Temperature voltage high (27)

Current Totals

Description	Value	Unit
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Total Time	7254:45	hours
Total PTO Time	432:57	hours
Total Idle Time	1027:51	hours
Total Distance	113218	Miles
Total Fuel	17637	gal
Total PTO Fuel	438	gal
Total Idle Fuel	459	gal
Lifetime Total Engine Revolutions	528160000	

Configuration

Description	Value	Unit
C7 Truck (KAL61215)		
Rating Number	1	
Rating Type	Standard	
Advertised Power	190 hp	
Governed Speed	2500 rpm	
Rated Peak Torque	520 lb-ft @ 1440 rpm	
Top Engine Speed Range	2640 - 2640 rpm	
Test Spec	0K5325-00	
Test Spec with BrakeSaver	NONE	
Vehicle ID	4UZAAXDC95CU19951	
Engine Serial Number	KAL61215	
ECM Serial Number	20946221IE	
Personality Module Part Number	2517438-00	
Personality Module Release Date	MAR04	
Total Tattletale	44	
Last Tool to change Customer Parameters	00000000	
Last Tool to change System Parameters	00000000	
Truck Manufacturer	Other	
Vehicle Speed Calibration	Unavailable	P/mile
Vehicle Speed Cal (J1939-Trans)	2878	R/mile
Vehicle Speed Cal (J1939-ABS)	Unavailable	Ratio
Vehicle Speed Limit	63	mph
VSL Protection	2236	rpm

Tachometer Calibration	12.0	PPR
Soft Vehicle Speed Limit	No	
Two Speed Axle - Low Speed Range Axle Ratio	Unavailable	
Nominal Axle Ratio - High Speed Range Axle Ratio	Unavailable	
Low Cruise Control Speed Set Limit	127	mph
High Cruise Control Speed Set Limit	63	mph
Exhaust Brake Mode	Manual	
Auto Retarder in Cruise (0 = Off)	0	mph
Cruise/Idle/PTO Switch Configuration	Set/Decel-Res/Accel	
SoftCruise Control	Yes	
Idle Vehicle Speed Limit	1	mph
Idle RPM Limit	1600	rpm
Idle/PTO RPM Ramp Rate	50	rpm/s
Idle/PTO Bump RPM	400	rpm
Fast Idle RPM #1	1000	rpm
Fast Idle RPM #2 (0 = Off)	0	rpm
Warm Up Mode Idle Speed	1000	rpm
PTO Configuration	Remote Switches	
PTO Top Engine Limit	1600	rpm
PTO Engine RPM Set Speed (0 = Off)	1200	rpm
PTO Engine RPM Set Speed A (0 = Off)	0	rpm
PTO Engine RPM Set Speed B (0 = Off)	0	rpm
PTO to Set Speed	Yes	
Maximum PTO Enable Speed	2640	rpm
PTO Cab Throttle RPM Limit	Unavailable	
PTO Kickout Vehicle Speed Limit	1	mph
Max PTO Vehicle Speed	127	mph
Torque Limit	2000	lb-ft
PTO Shutdown Time (0 = Off)	0	min
PTO Activates Cooling Fan	Normal	
Exhaust Brake/Warm Up Enable	None	
Lower Gears Engine RPM Limit	2640	rpm

Lower Gears Turn Off Speed	1	mph
Intermediate Gears Engine RPM Limit	2640	rpm
Intermediate Gears Turn Off Speed	10	mph
Gear Down Protection RPM Limit	2640	rpm
Gear Down Protection Turn On Speed	127	mph
Top Engine Limit	2640	rpm
Low Idle Engine RPM	700	rpm
Transmission Style	Automatic Option 1	
AT/MT/HT Part Throttle Shift Speed	High (60% Enable / 45% Disable)	
Starting Aid Output Mode	Off	
Governor Type	Min/Max with Speed Control	
Battery Monitor and Engine Control Voltage	0.0	Volts
Battery Monitor Low Idle Engine Speed	1000.0	rpm
Idle Shutdown Time (0 = Off)	0	min
Allow Idle Shutdown Override	Yes	
A/C Switch Fan On-Time (0 = Off)	0	sec
Fan with Exhaust Brake On	No	
Engine Monitoring Mode	Derate	
Engine Monitoring Lamps	Warning Lamp	
Coolant Level Sensor	No	
Engine Oil Pressure Sensor	Installed	
Maintenance Indicator Mode	Off	
PM1 Interval	0	Miles
Engine Oil Capacity	22	quarts
Dash - PM1 Reset	No	
Dash - Customer Parameters	No	
Theft Deterrent System Control	No	
Theft Deterrent Password	*****	
Quick Stop Rate	0	mph/s
Fan Override Switch	None	
Transmission Neutral Switch	J1/P1:62	
Exhaust Brake Switch	None	
Ignore Brake/Clutch Switch	None	

Two Speed Axle Switch	None	
Vehicle Speed Input	J1939 - Trans	
PTO Engine Shutdown Switch	None	
Torque Limit Switch	None	
PTO On/Off Switch	J1/P1:56	
PTO Engine RPM Set Speed Input A	None	
PTO Engine RPM Set Speed Input B	None	
Remote PTO Set Switch	J1/P1:58	
Remote PTO Resume Switch	J1/P1:60	
Diagnostic Enable Switch	None	
Cruise Control On/Off Switch	J1/P1:59	
Cruise Control Set/Resume/Accel/Decel Switch	J1/P1:35 & 44	
Cruise Control Pause Switch	None	
Clutch Pedal Position Switch	J1/P1:22	
Service Brake Pedal Position Switch #1	J1/P1:45	
Accelerator Pedal Position	J1/P1:66	
A/C High Pressure Switch	J1/P1:41	
Fan Control Type	On/Off PWM	
PTO Active Output	J1/P1:19	
PTO Switch On Lamp	None	
Wait to Start Lamp	None	
Fast Idle Enabled Lamp	J1/P1:21	
Change Oil Lamp	None	
Customer Password #1	*****	
Customer Password #2	*****	
Powertrain Data Link	J1939	
Personallty Module Code	25	
FLS	10	
FTS	-13	
Injector1	003B102662098F	
Injector2	003B10266187B0	
Injector3	003B10266182AB	
Injector4	003B10266195AB	
Injector5	003B10266210A5	
Injector6	003B10266184B9	

Histogram - Total Time vs Engine Speed

Engine Speed (rpm)	Total Time (hours)
0-599	6.40
600-699	1027.25
700-799	912.20
800-899	68.85
900-999	83.35
1000-1099	158.40
1100-1199	226.90
1200-1299	306.10
1300-1399	406.55
1400-1499	416.75
1500-1599	422.30
1600-1699	404.15
1700-1799	347.95
1800-1899	280.20
1900-1999	245.30
2000-2099	194.80
2100-2199	143.75
2200-2299	138.30
2300-2399	54.15
2400-2499	35.85
2500-2599	17.15
2600-2699	20.70

Cylinder Cutout Reports
-----**Cylinder Cutout - Not OK**

Not Included

Cylinder Cutout - OK

Not Included

Additional Service Tool Files
